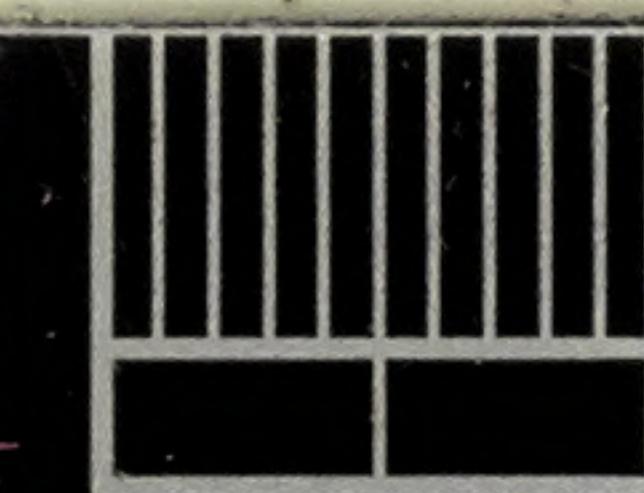


GEORGE ENGELMANN BOTANICAL NOTEBOOKS

*Pagination Note:
Since many of the items lack a specific
page number, the page number displayed
online refers to the sequentially created
number each item was given upon
cataloging the materials.*

1-3

606
Apocynaceae



0 1 2 3 4 5 6 7 8 9 10

cm

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4193

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0 1 2 3 4 5 6 7 8 9 10

cm

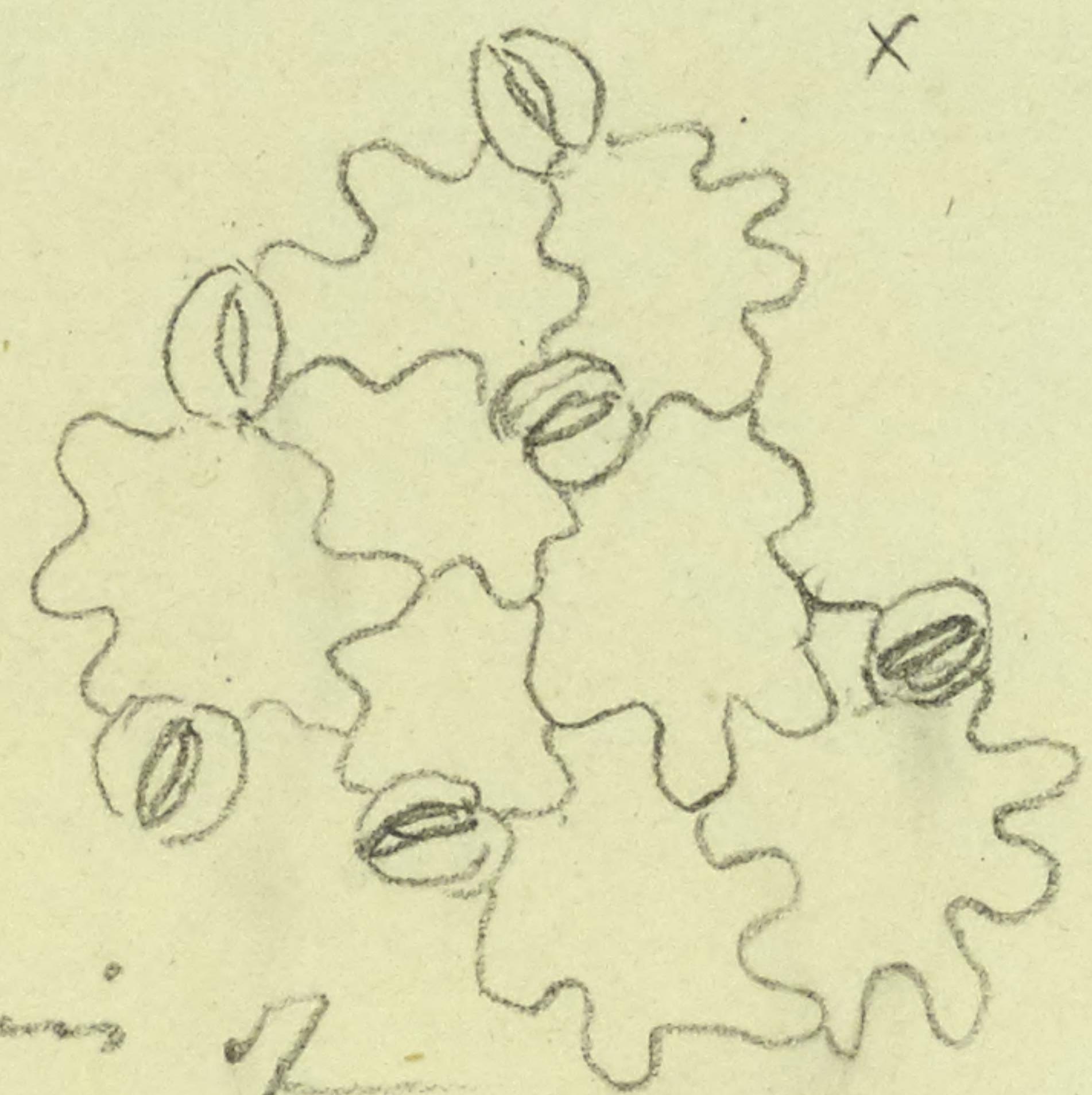
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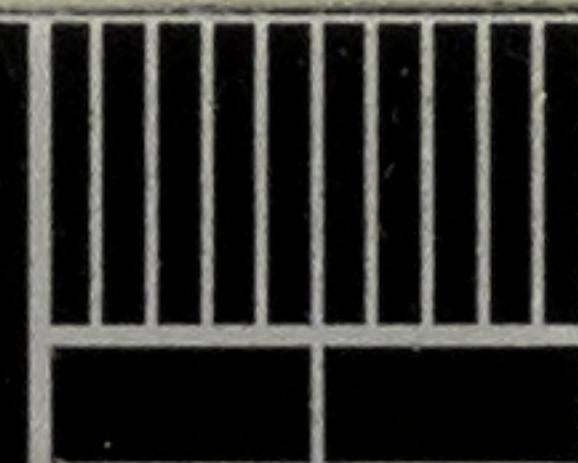
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Jan 1 1865

x 280



Giardia-like
lower surface of leaf
of *Urtica dioica*



0 1 2 3 4 5 6 7 8 9 10

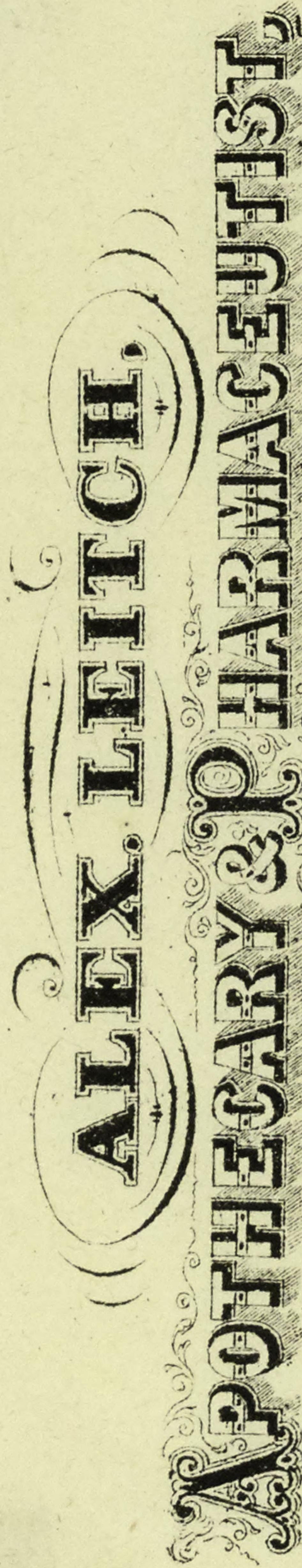
cm

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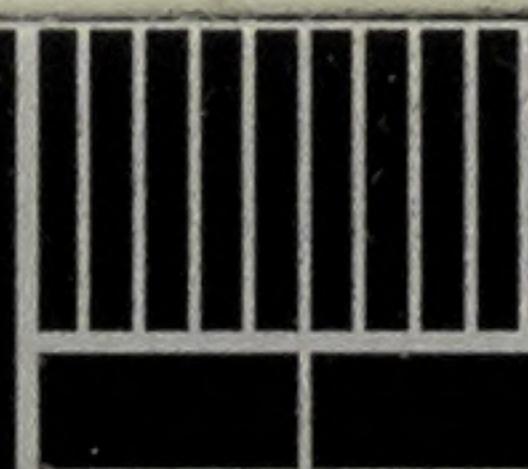
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Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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cm

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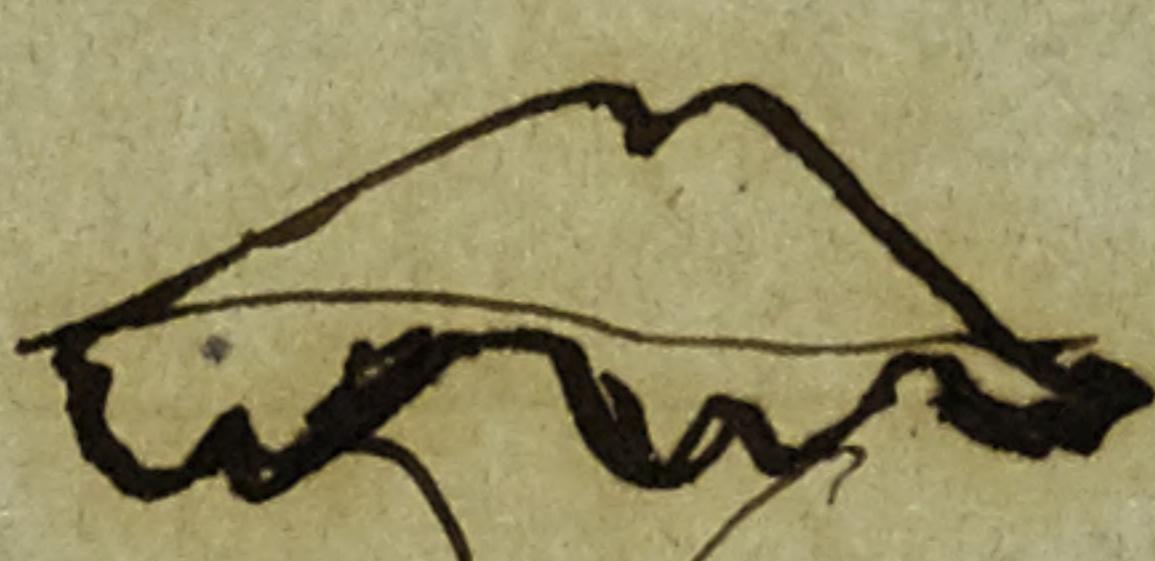


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Apoocynaceae

Thevetia nerifolia Desv.
Cestrum Thevetia Lin.

Shrub with irregular (not opposite) linear lanceolate of labrous
shining leaves, and milky juice - with large tubular-
campanulate, yellow flowers, turning black in drying,
with very oblique truncate lobes of corolla

Stigma ~~conic~~, subtilobed, with 5 bilobed appear-
ances at base; 

Ovary 2 celled each cell with 2 ovule, lateral to
the placentae, which at the edge is channeled:

cross section:



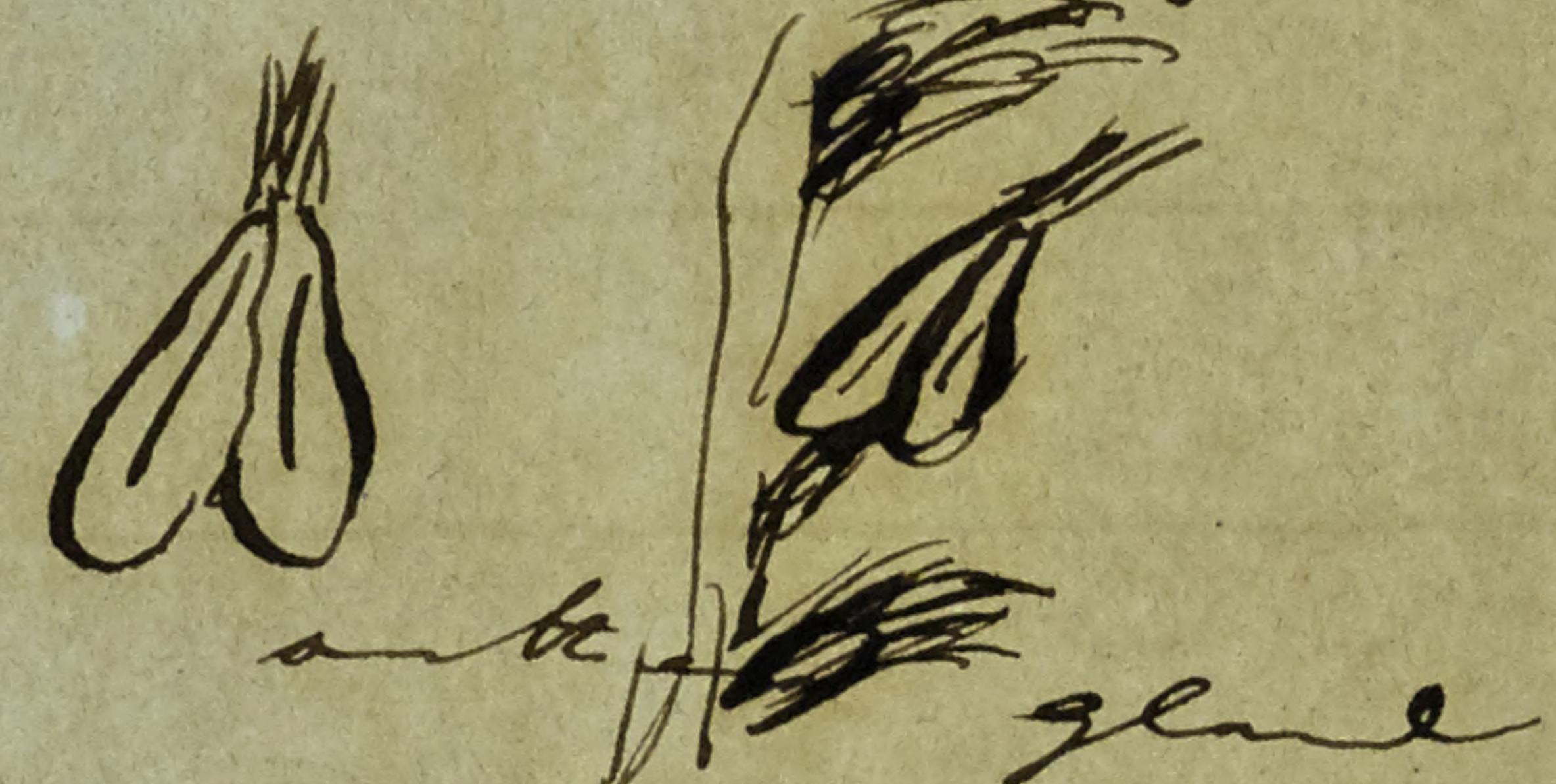
Ovule dark green!



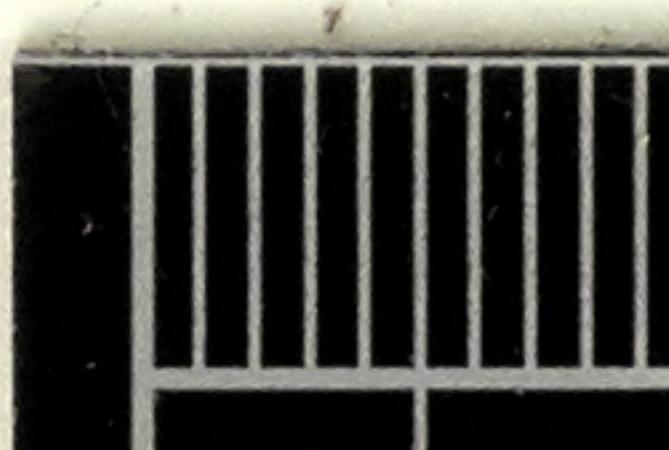
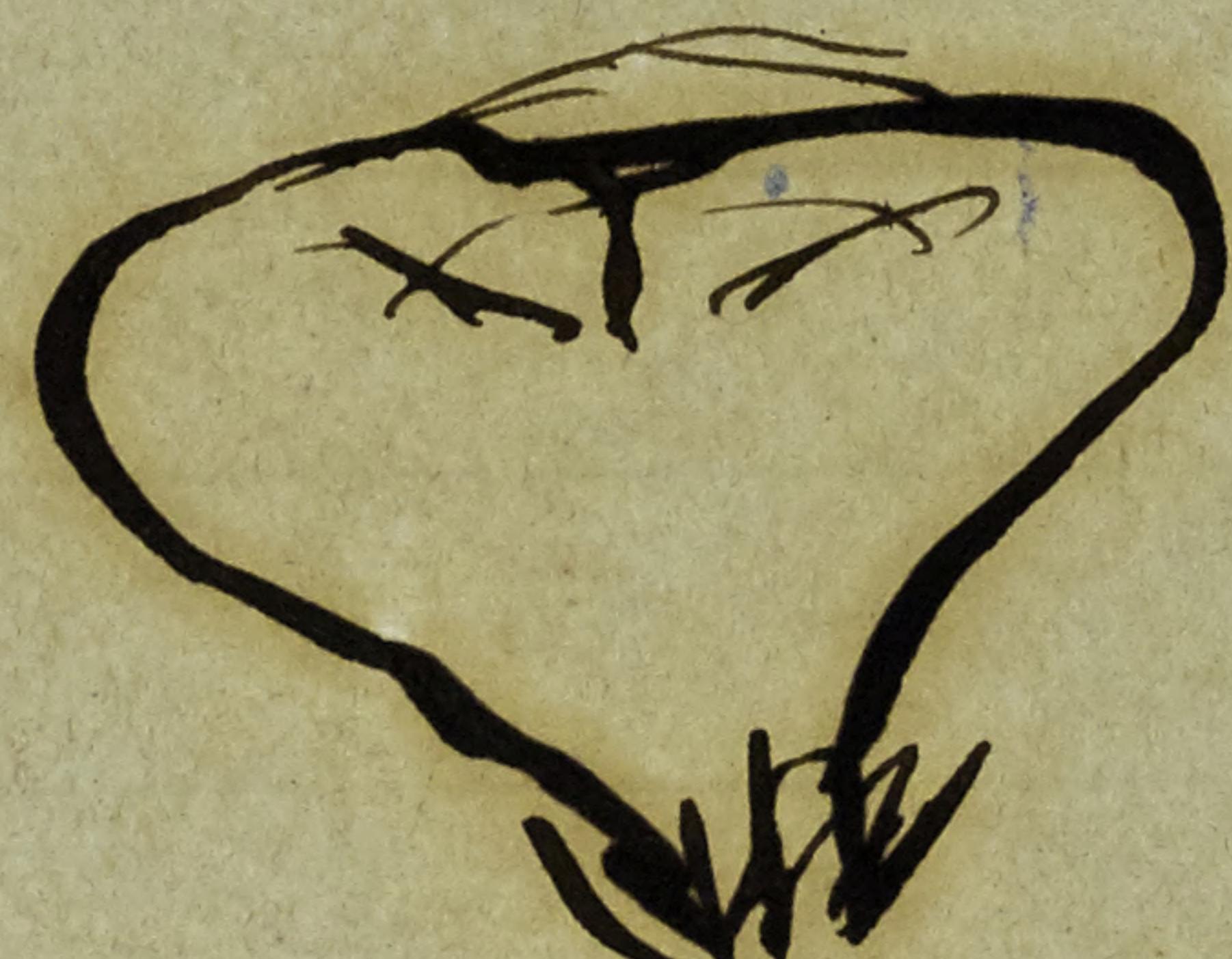
Ovary sessile on a 5 lobed disc, itself by slight
grooves divided in 4 parts

Anthers 5 subseriate in the lowest part of tube,
cordate, pointed with a hair pencil; perianthette
and bristles on ^{on a scale or gland} the base of the short filament
below the anthers, and again above it from a
callosity of the tube, which may be the ^{upper} ~~end~~
of the filament

Leads only one on two; the others
abortive
fruit.



obconic, truncate



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cm

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1000



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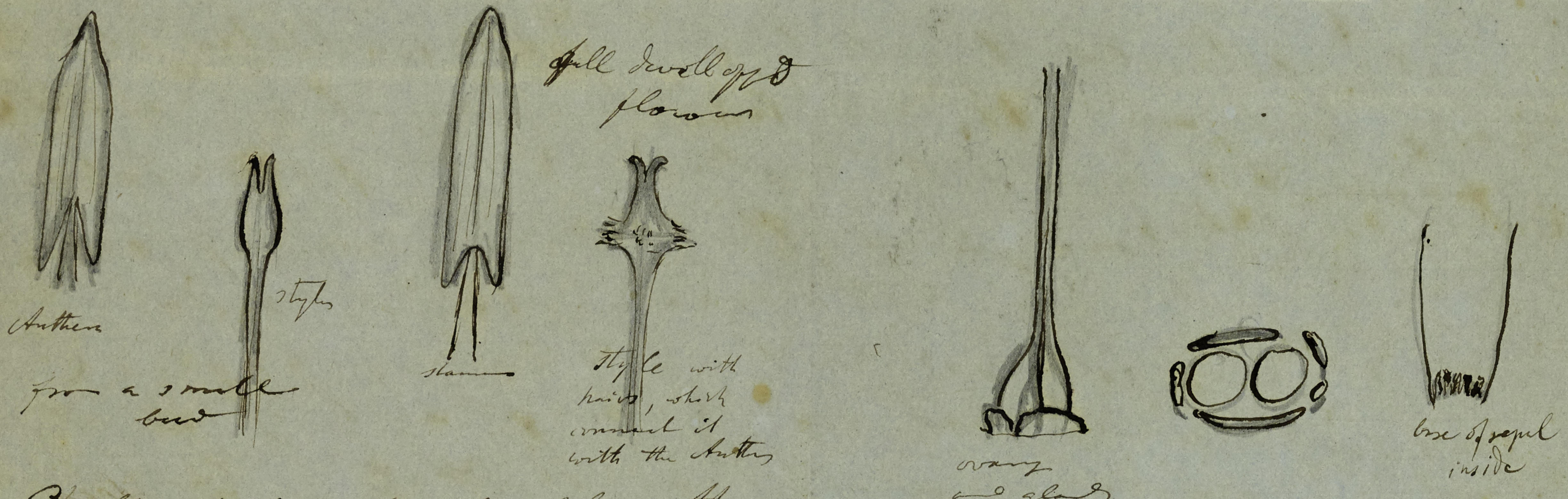
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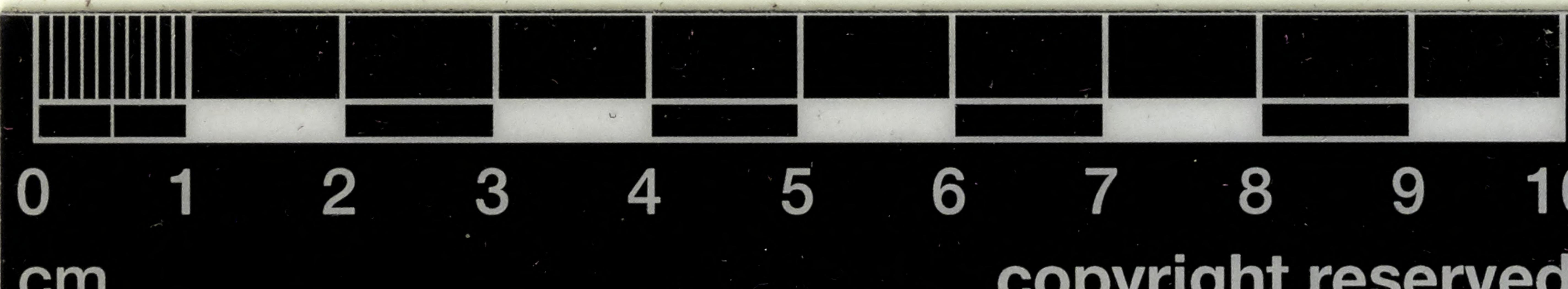


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Echites uniflora caulis erectis, pubescens, ramos pubescens, tomentosus, foliis ovatis s. ovalo oblongis, obtusis, basi cordatis s. crenatis - ramos sterilibus s. auctis supra pubescentibus subter albo tomentosus, pedunculis terminali unifloro petiolis bis tenui, superante, bractea angela dura, lobis que calyx his linearis lanceolatis & attenuatis pubescentibus corolla exter pubescens, tubo calycis 6-7" superante, ramos aperte vinctooso lobis oblique obvolutis tuba quater brevioribus, foliis ovalis elongatis glabris.

Near *E. hypoleuca* (Benth. DC Pl. VIII. p. 472) distinct by the much larger tube of flower, which is slightly pubescent, but not velutinous, also by the nectary, etc. Stems 6-10 inches high for a glaucous root. leaves 1-1 3/4 inches by 3/4-1 1/2" wide petioles 1-2" long, pedicels 3-4" long by calyx 8-7" l. long; tube of cor. 3 1/2-4 1/2" older by upper



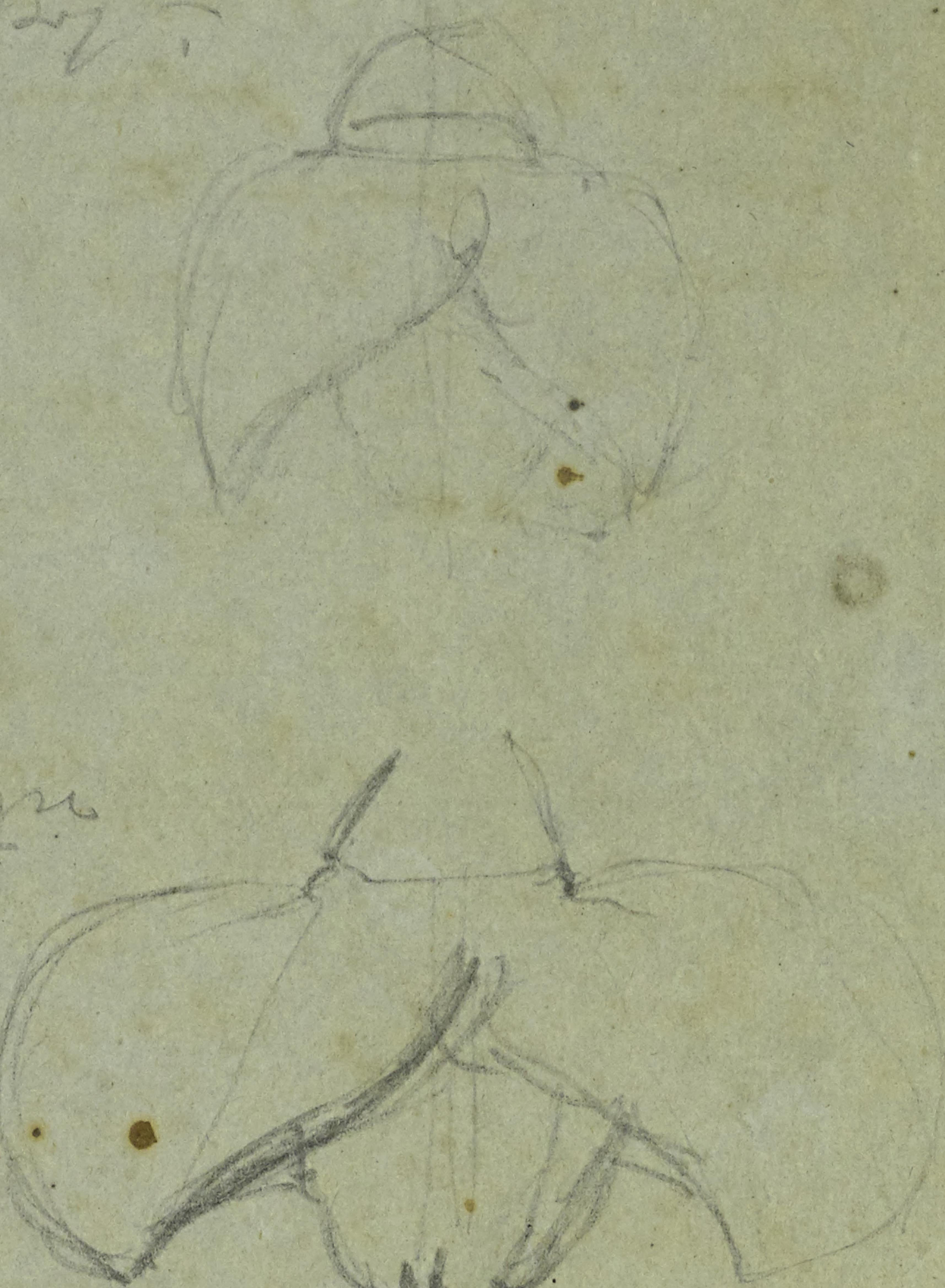
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4196-1
Dilate part abd 1 inch long not constricted at the
faux; limb $\frac{4}{5}$ - 2 inches in diameter white
fragrant apparently nocturnal; Corolla
plumed $\frac{3}{4}$ - $\frac{4}{5}$ inches long of the lobes. — Lobes of calyx
at base inside with many glands; nectary
consisting of 5 distinct and very unequal
glands which are hardly half as long as the
distinct ovaries; — Anthers sagittate, twice as long
as the broad subulate filaments; coherent by hairy
appendages with the ovate tenuid stigma which
at top is lobed stigma. — Tube of Corolla inside
puberulent below the stamin, smooth above

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cm

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